

Remarks:

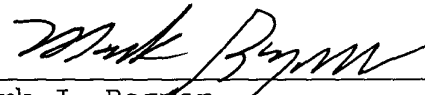
Claim 20 has been amended to include the limitations of claim 26. Accordingly, it is respectfully submitted that claims 20, 21 and 27 and 28 are patentable in view of the allowability of claim 26 as indicated in the Office Action. Office Action, page 3.

Claims 1, 8, 27-30, 51 and 55 have been amended to correct formal matters. These amendments are not believed to change the scope of the claims and thus the claims are allowable as indicated in previous Office Actions.

In view of these remarks, the application is now in condition for allowance and the Examiner's prompt action in accordance therewith is respectfully requested. The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 20-1504.

Respectfully submitted,

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APPENDIX

(Twice Amended) An apparatus comprising:

a polarization separator;

a first polarization beam splitter optically coupled to a first output light path of the polarization separator;

$M \geq 1$ first spatial light modulators optically coupled to the first polarization beam splitter [for modulating] to modulate light of $N \geq 1$ colors of a first color space;

a second polarization beam splitter optically coupled to a second output light path of the polarization separator;

$P \geq 1$ second spatial light modulators optically coupled to the second polarization beam splitter [for receiving] to receive light of $Q \geq 1$ colors of a second color space; and

a polarization combiner optically coupled to the first and second polarization beam splitters.

8. (Amended) An apparatus comprising:

a first light engine kernel [for inserting] to insert content in each of three colors in a first color space;

a second light engine kernel [for inserting] to insert content in each of three colors in a second color space; and

a combiner optically coupled to outputs of the first and second light engine kernels.

20. (Amended) An apparatus [for receiving] to receive input light and [for providing] to provide output light, the apparatus comprising:

means for spatially substantially separating the input light into first light having a first polarization and second light having a second polarization different than the first polarization;

7 first means for inserting content into the first light, the
8 first means for inserting including means for switching at least
9 two color components of the first light, wherein the means for
10 switching comprises a three-color switch;
11 second means for inserting content into the second light, the
12 second means for inserting including means for switching at least
13 two color components of the second light; and
14 means for combining the content-inserted first and second
15 light to create the output light.

1 27. (Amended) The apparatus of claim [26] 20 wherein:
2 the three-color switch is [for switching] adapted to switch
3 between red, green, and blue.

1 28. (Amended) The apparatus of claim [26] 20 wherein
2 the three-color switch is [for switching] adapted to switch
3 between cyan, magenta, and yellow.

1 29. (Amended) An apparatus [for generating] to generate a light
2 beam containing at least two 2-D images of a composite 3-D image,
3 the apparatus comprising:
4 a first switched light engine kernel [for providing] to
5 provide first light, the first light having a first polarization
6 and containing content representing a first of the 2-D images;
7 a second switched light engine kernel [for providing] to
8 provide second light, the second light having a second polarization
9 and containing content representing a second of the 2-D images,
10 wherein the second polarization is different than the first
11 polarization; and
12 a polarization combiner [for combining] to combine the first
13 light and second light to create the light beam.

1 30. (Amended) The apparatus of claim 29 further comprising:

2 a polarization separator [for separating] to separate an input
3 light into the first light and the second light.

1 51. (Twice Amended) An apparatus comprising:

2 a first plate polarizer [for receiving] to receive light from
3 a light source, and substantially [separating] separate the light
4 into first polarization light and second polarization light, and to
5 substantially [reflecting] reflect one of and [transmitting]
6 transmit an other of the first polarization light and the second
7 polarization light;

8 a first color switch optically coupled to receive one (Lx) of
9 the first polarization light and the second polarization light from
10 the first plate polarizer;

11 a first polarization beam splitter optically coupled to
12 receive switched light from the first color switch;

13 a first single spatial light modulator optically coupled to
14 receive and modulate switched light from the first polarization
15 beam splitter, and reflect the modulated switched light back to the
16 first polarization beam splitter;

17 a second color switch optically coupled to receive an other
18 (Ly) of the first polarization light and the second polarization
19 light from the first plate polarizer;

20 a second polarization beam splitter optically coupled to
21 receive switched light from the second color switch;

22 a second single spatial light modulator optically coupled to
23 receive and modulate switched light from the second polarization
24 beam splitter, and reflect the modulated switched light back to the
25 second polarization beam splitter; and

26 a second plate polarizer optically coupled to receive
27 modulated light from the first polarization beam splitter and
28 modulated light from the second polarization beam splitter and
29 combine the modulated lights into an output beam.

1 55. (Amended) The apparatus of claim 51, wherein the first color
2 switch and the second color switch are coupled to operate in
3 different color spaces.

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